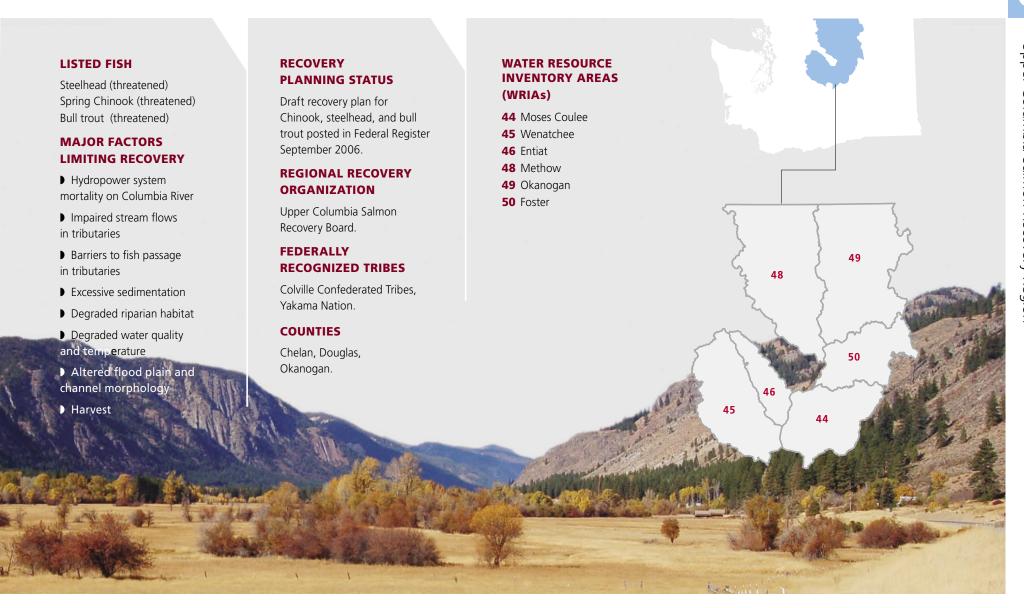
Upper Columbia Salmon Recovery Region



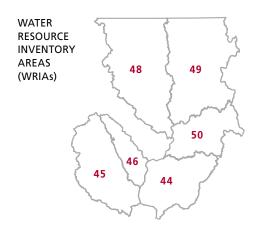
The Upper Columbia River Salmon Recovery
Region in north central Washington includes the
Columbia River and its tributaries upstream of
the confluence of the Yakima River to the base of
Chief Joseph Dam. River valleys are deeply incised
and maintain low gradients except in headwaters.
The climate includes extremes in temperatures and
precipitation, with most precipitation falling in the
mountains as snow. Melting snowpack, groundwater,
and runoff maintain stream flows.

A large portion of the Upper Columbia Basin is publicly owned. The first draft recovery plan was completed in June 2005; subsequent drafts led to a Federal Register posting in September 2006, currently under review. The plan addresses Upper Columbia spring Chinook and steelhead, and three "core" areas supporting bull trout populations.

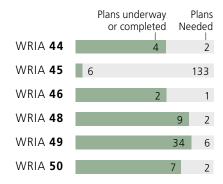
Key Facts

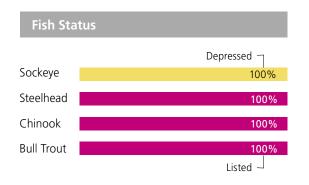


PALMER LAKE COLVILLE WILDERNESS NATIONAL FOREST **UPPER COLUMBIA SALMON RECOVERY WRIA 48 REGION Fish Passage Projects** ▲ 2004 to Present ▲ Pre 2004 **Habitat Projects** OMAK 2004 to Present COLVILLE Pre 2004 OMAK LAKE INDIAN WRIA 49 Priority Habitat Areas RESERVATION BREWSTER WRIA 50 Grand Coulee Dam LAKE WENATCHEE WRIA 46 WRIA 44 WRIA 45 MILES WENATCHEE 15 30



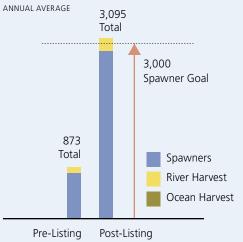
Watershed Cleanup Plans



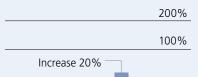








Steelhead Wild Juvenile Production²³ Since Listing

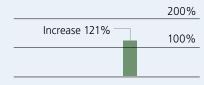




Chinook Wild Adult Abundance ESU Scale²²



Chinook Wild Juvenile Production²⁴ Since Listing





UPPER COLUMBIA SALMON RECOVERY REGION

WENATCHEE BASIN

WATER RESOURCE INVENTORY AREA

Watershed Watch Wenatchee Basin WRIA 45

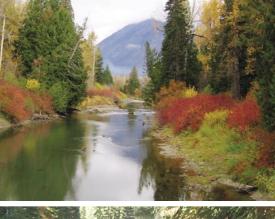


The 1,370 square mile (854,000 acre) Wenatchee watershed lies completely within Chelan County. Federal and State lands comprise over 90% of the WRIA. Chiwawa, White, and Little Wenatchee Rivers along with the lower and upper Wenatchee River are the main watercourses, with numerous smaller creeks. Less than 10% of the

watershed is in private ownership, most of which is concentrated along valley bottoms. Land uses in rural areas of the watershed are primarily forest management and production, orchard production, scattered residences, lodging facilities, agricultural support facilities, and small home-based industries.

Currently orchards comprise one of the largest private land uses (by acreage) in the WRIA. Approximately 23,850 people reside within the watershed on a full- or part-time basis, and the population in the WRIA is projected to increase approximately 2.4% per year between 2000 and 2025, primarily on privately owned land in the lower elevations and valley bottoms along the Wenatchee River and its major tributaries.







Nason Creek Off-Channel Habitat Restoration

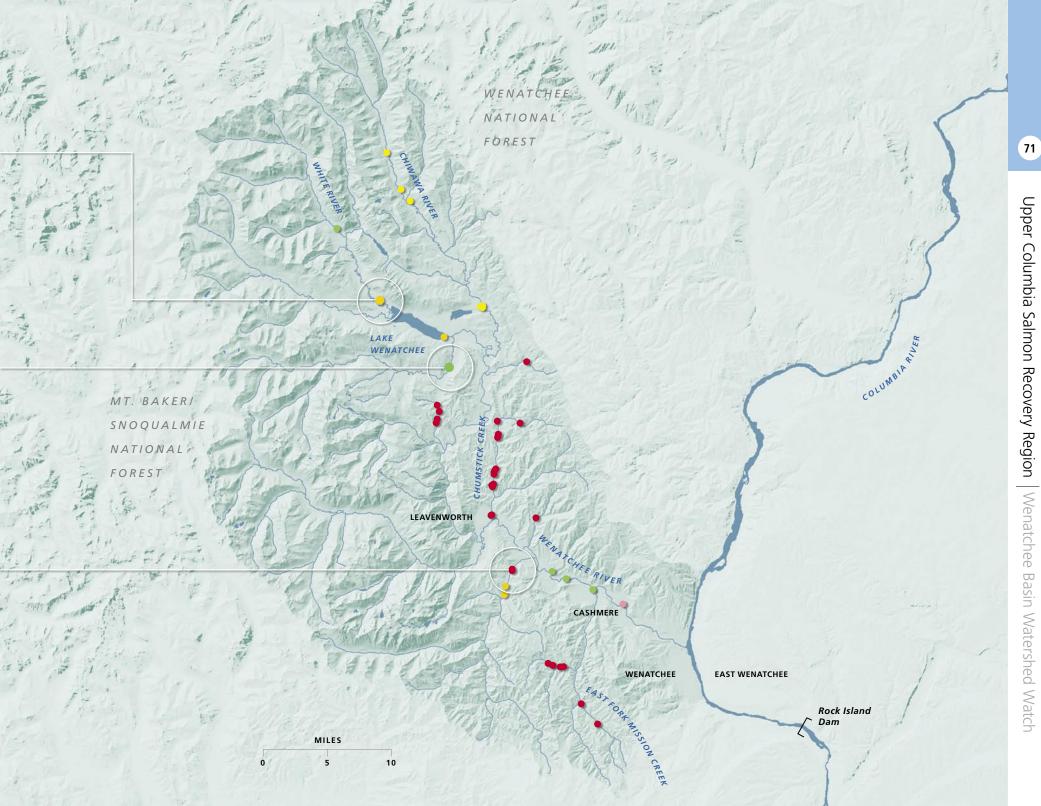


Peshastin Creek Fish Barrier Removal



RESTORATION PROJECTS

- Fish Passage
- Riparian
- Instream Habitat
- Instream Flows
- Estuary
- Upland
- Miscellaneous





UPPER COLUMBIA SALMON RECOVERY REGION

WENATCHEE BASIN

WATER **RESOURCE INVENTORY AREA**

WENATCHEE BASIN WRIA 45 RECOVERY QUESTIONS

Are hydroelectric facilities operating in a "fish friendly" manner?

Indicator	Measured Results
FERC-licensed facilities	There are no FERC-licensed facilities in WRIA 45

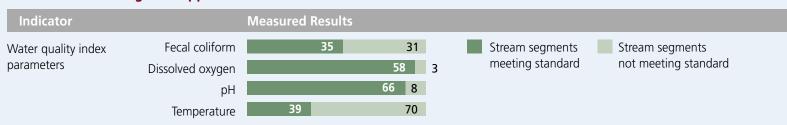
Are streams accessible to wild salmon?

Indicator	Measured Results
Inventory of major blockages	Complete barriers Partial barriers
Miles of anadromous waters inaccessible	Not available

Are listed populations abundant and productive?

Indicator	Measured Results		
Run size achieved, 5 year average pre- and post listing. Wild component of Wenatchee-Methow Major Population Group.	Steelhead	Pre-listing 873 Post-listing	3,095
	Chinook	Pre-listing 402 Post-listing	2,537
Juvenile production achieved (baseline mean)	Steelhead: 36,211 Chinook: 22,261		

Is water clean enough to support wild salmon?



Do rivers and streams have flows that support wild salmon?

Indicator	Me	Measured Results			
Actual Instream flow se	t Yes.	Yes. Rule adopted 1983. 50% exceedence allowance			
Percent of time flow met during fish critical period August 1 to September 30					
93 99 05	100 50 A 93 99 05	100 <u>f</u> 50 <u>g</u> 93 99 05	100 50 93 99 05	A 0%	Pre-listing Post-listing A Absent
WENATCHEE RIVER AT PLAIN	ICICLE CREEK	WENATCHEE RIVER AT PESHASTIN	WENATCHEE RIVER AT MONITOR	MISSION CREEK	

Does harvest management protect wild salmon?

Indicator	Measured Results
Recovery plan spawner escapement goal (ESU scale)	Steelhead: 3,000 Chinook: 4,500
Wild spawners 5 year average pre- and post listing (ESU scale)	SteelheadPre-listing764ChinookPre-listing354Post-listing2,856Post-listing2,030
Percent of wild salmon run that is harvested 5 year average pre- and post listing (ESU scale)	SteelheadPre-listing12%ChinookPre-listing12%Post-listing8%Post-listing20%

Do hatchery practices meet the needs of wild salmon?

Indicator	Measured Results	Measured Results			
Does a scientific evaluation of practices exist?	Recovery plan recomm	Recovery plan recommendations complete; Hatchery Scientific Review Group pending			
If so, what actions have been accomplished?	29 Implemented	18 Ongoing	11 Not Begun		